

## Patent Abstracts of Japan

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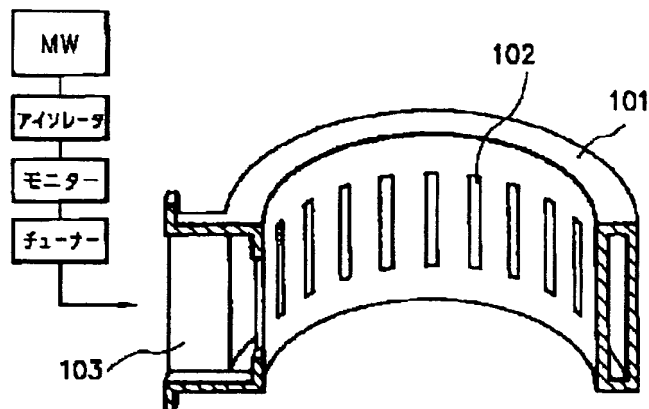
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TITLE : MICROWAVE INTRODUCING DEVICE  
HAVING ENDLESS ANNULAR  
WAVEGUIDE AND PLASMA TREATING  
DEVICE PROVIDED WITH ITS DEVICE



ABSTRACT : PURPOSE: To uniformly and efficiently introduce microwaves into a vacuum vessel by providing the inside of an annular waveguide having a microwave introducing part with plural slots pierced at prescribed intervals.

CONSTITUTION: For introducing microwaves from a cylindrical waveguide 101 having a microwave introducing part 103 connected to a microwave power source, plural slots 102 are pierced on the inside of the cylindrical waveguide 101. The slots 102 have a rectangular shape and are provided at intervals of 1/4 of the wave length in the guide. By this microwave introducing device, microwaves can uniformly and efficiently be introduced into the vacuum vessel which is an object of the feed of microwaves from the circumference of the vacuum vessel, and by a plasma treating device provided with the device, the body to be treated can uniformly and efficiently be subjected to plasma treatment.

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